

# SOS Floor Plan and Configuration Variations



Last modified on Feb. 3, 2020

Table of Contents

Standard Four Projector Floor Plan	3
Printable PDFs for Various Sphere Sizes	3
Configuration Variations	3
Printable PDFs for Various Sphere Sizes	5

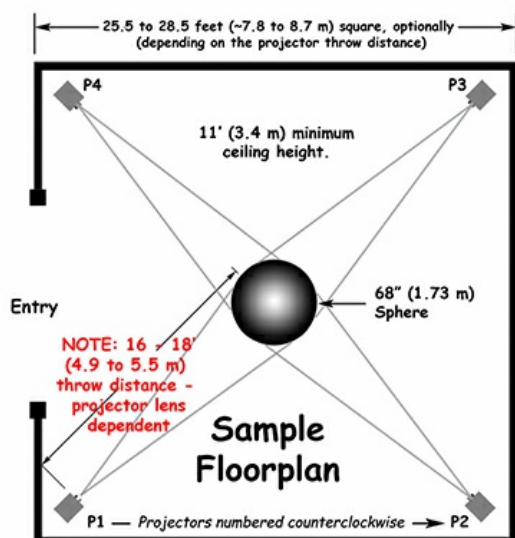
## Getting SOS: SOS Floor Plan and Configuration Variations

The standard Science On a Sphere set up includes 4 projectors in a square around a 68" carbon fiber sphere. For sites that don't have enough space for the standard configuration, there are many options available:

- Use projectors with short throw lenses
- Use a smaller sphere (60" or 48" available)
- Use fewer projectors

For questions about how SOS can fit in your site, email [sos.support@noaa.gov](mailto:sos.support@noaa.gov).

## Standard Four Projector Floor Plan



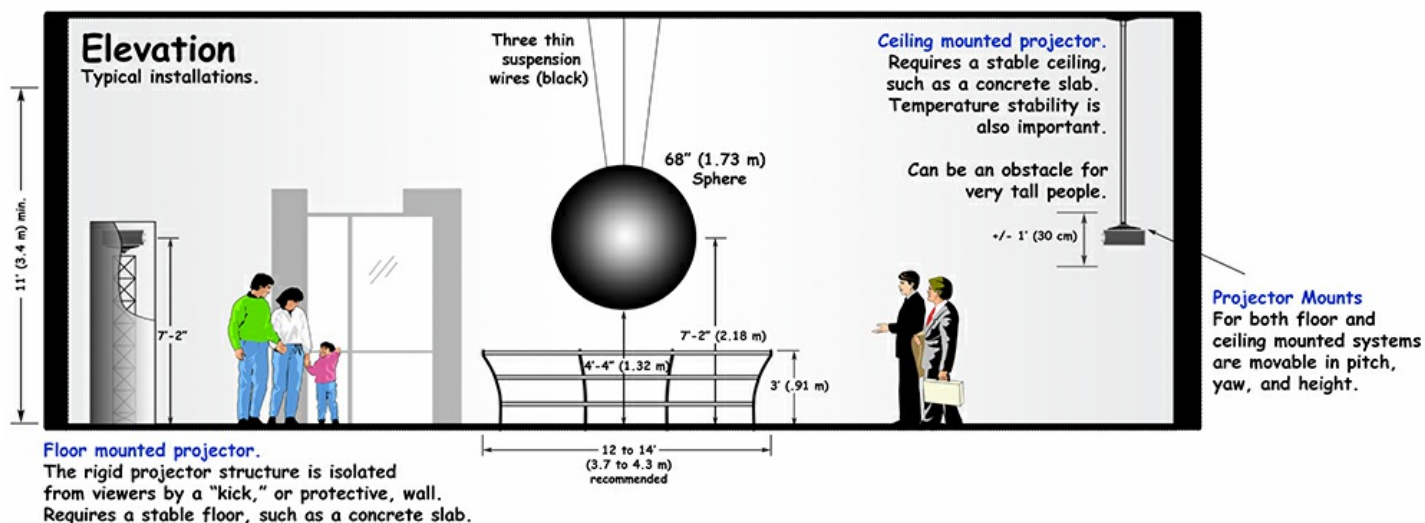
Computers at a typical installation: One primary computer and one "hot" back-up.

The computers can be located as much as 200' (~60 m) from the sphere without additional video cable boosters. The computers must be in a clean, well ventilated area.



Science on a Sphere® in the David Himes Planet Theater®, Boulder, Colorado, USA

## Science On a Sphere® Geometry For a 68" (1.73m) Sphere



## Printable PDFs for Various Sphere Sizes

- [Standard Floor Plan for 68" Sphere](#)
- [Standard Floor Plan for 60" Sphere](#)
- [Standard Floor Plan for 48" Sphere](#)

## Configuration Variations

If you don't have room for four projectors, then user fewer projectors is a great options. The projectors remain 90 degrees apart from one another and one or two quadrants of the sphere are dark, depending on how many projectors are used. Some sites have opted to put the sphere in a corner or against a wall to help hide the dark areas, as seen below. In each of the floor



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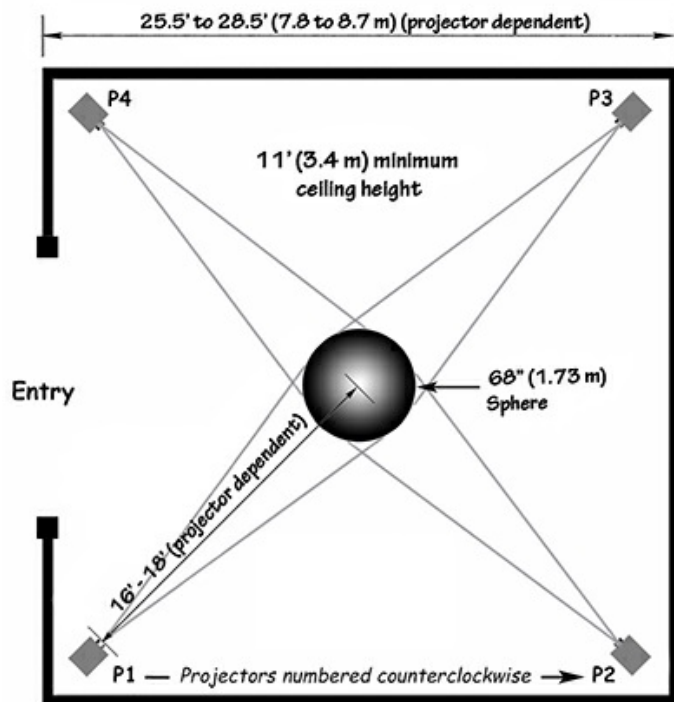
A three projector system with a full sphere against the wall at the Science Museum of Minnesota



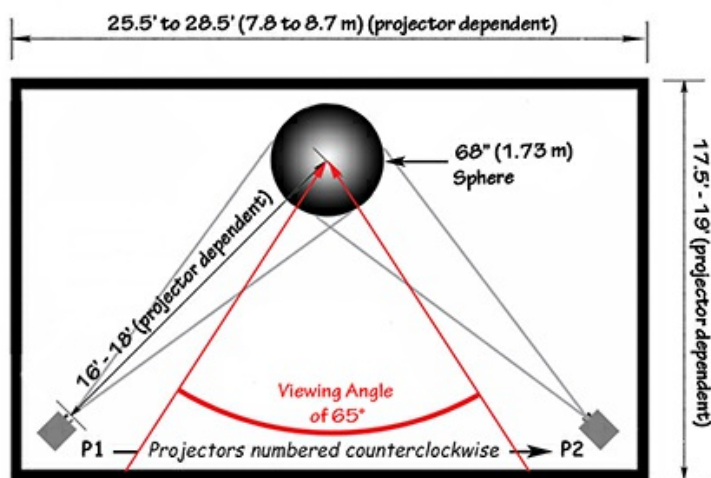
A two projector system with a sphere hanging in a cutout in the wall at the North Carolina Aquarium on Roanoke Island



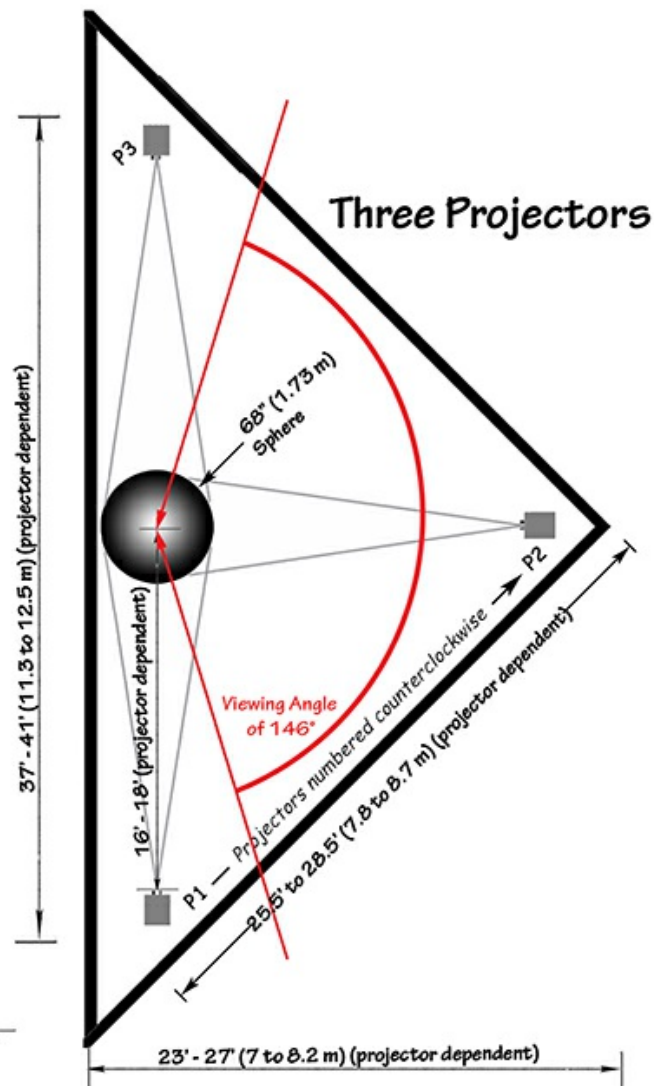
A two projector system with the sphere in the corner at the Kalamazoo Valley Museum



**Four Projectors**



**Two Projectors**



**Sample  
Floor Plans  
68" Sphere**

Printable PDFs for Various Sphere Sizes

- [Configuration Variations for 68" Sphere](#)
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- [Configuration Variations for 48" Sphere](#)